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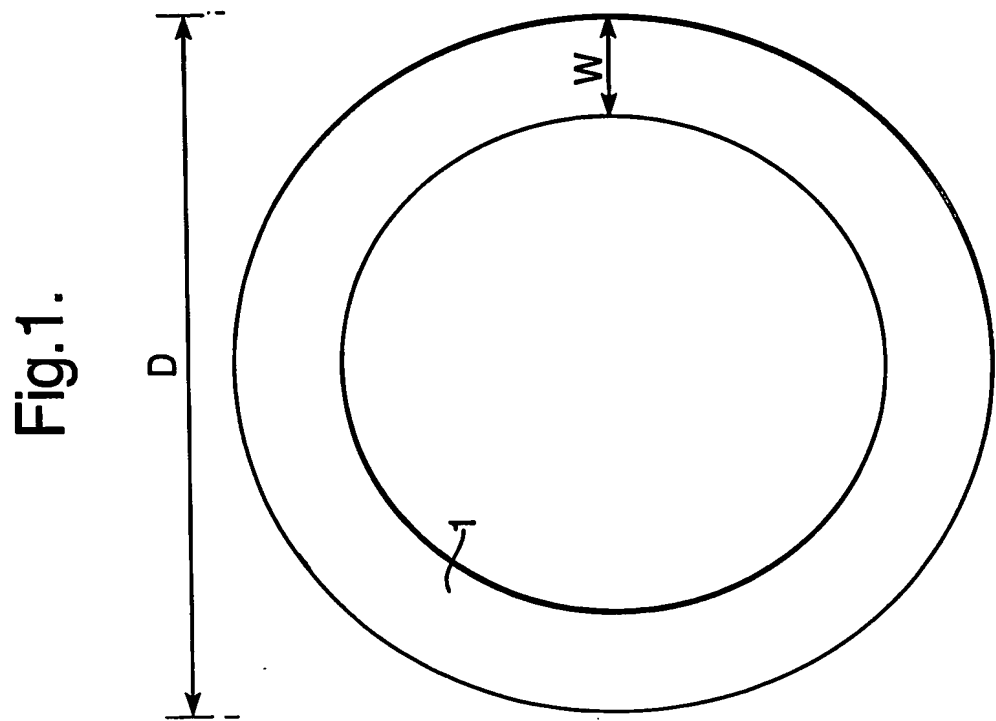
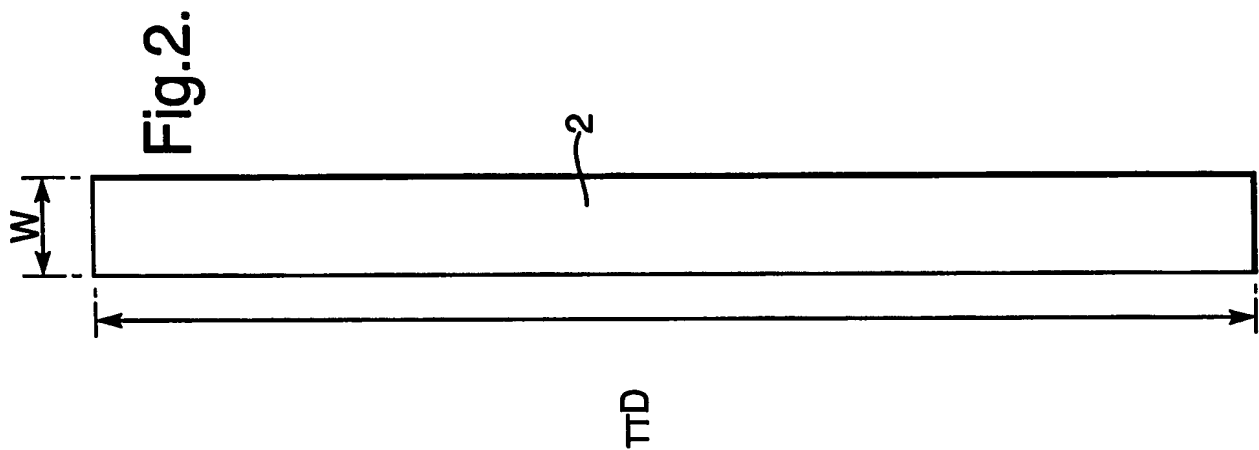
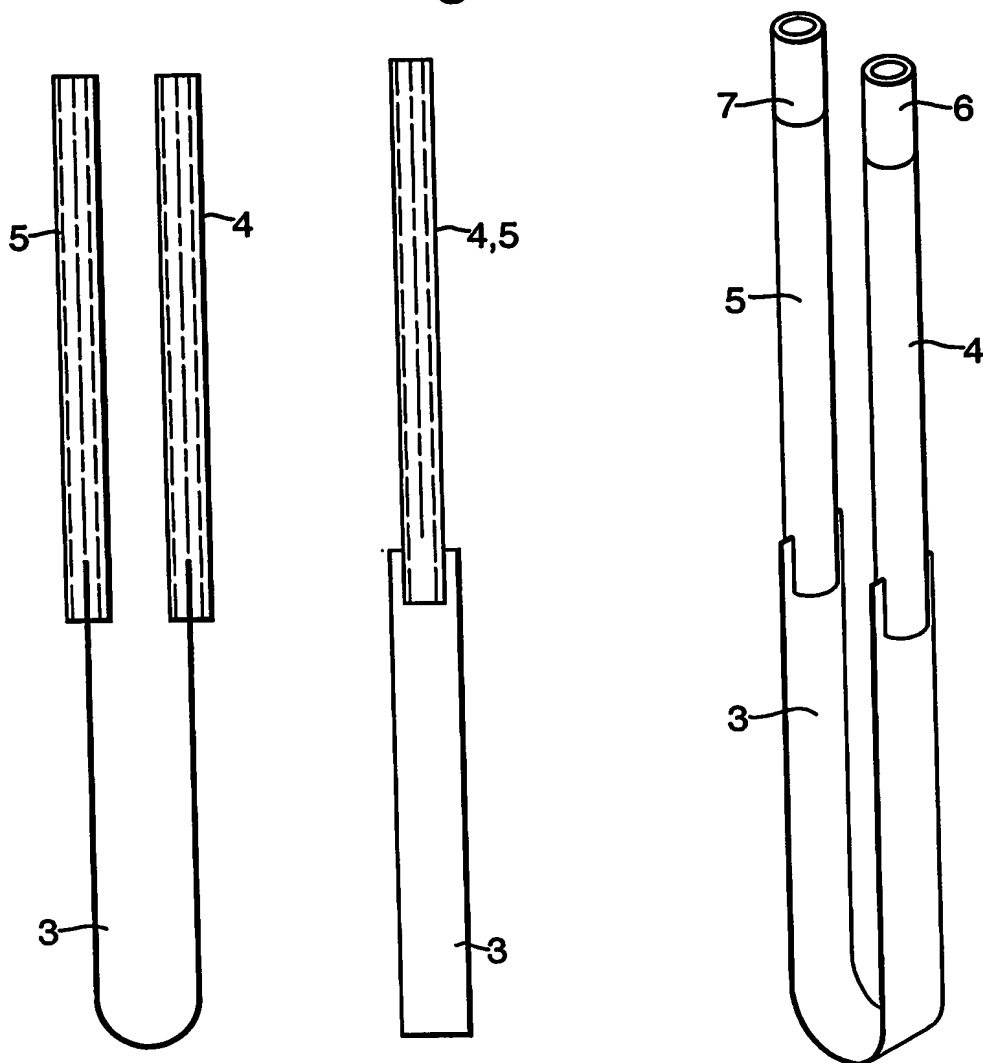


Fig.3.



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Fig.4.

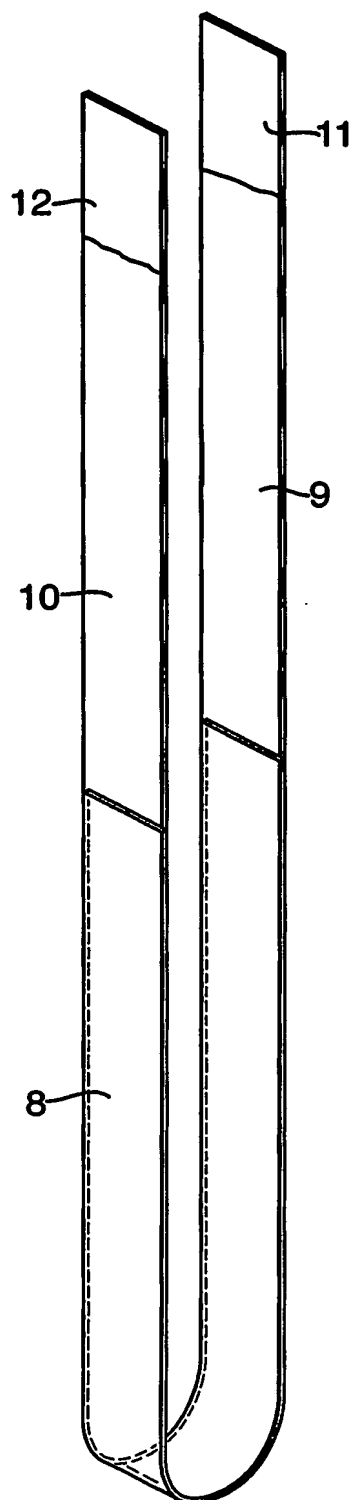


Fig.6.

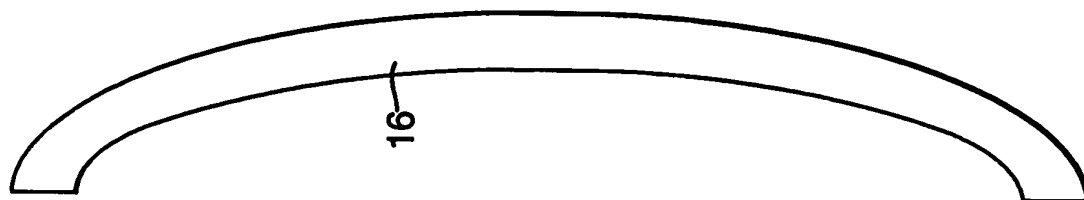
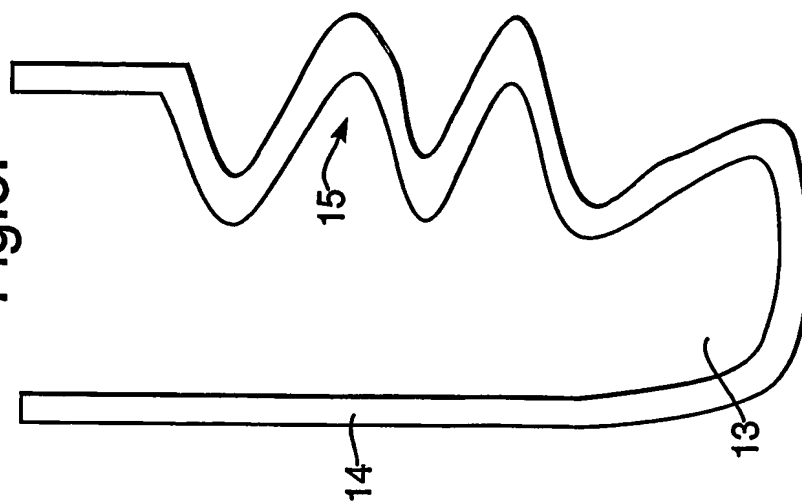


Fig.5.



INTERNATIONAL SEARCH REPORT

International Application No

.../GB2004/003106

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H05B3/58 H05B3/14 H05B3/64

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 272 639 A (BECK JACOB H) 9 June 1981 (1981-06-09) the whole document	1-17
X	GB 1 497 871 A (CARBORUNDUM CO) 12 January 1978 (1978-01-12) the whole document	1-17
X	US 3 964 943 A (ANDERSEN NIELS LERVAD) 22 June 1976 (1976-06-22) the whole document	1-17
X	DE 11 24 166 B (SIEMENS PLANIAWERKE AG) 22 February 1962 (1962-02-22) the whole document	1-17

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

5 October 2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/GB2004/003106

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4272639	A	09-06-1981	CA 1114877 A1	22-12-1981
			DE 3026496 A1	19-02-1981
			FR 2463564 A1	20-02-1981
			GB 2056229 A ,B	11-03-1981
			JP 56063791 A	30-05-1981
			NL 8004400 A	03-02-1981
GB 1497871	A	12-01-1978	DE 2501894 A1	24-07-1975
			FR 2258695 A1	18-08-1975
			JP 1136794 C	28-02-1983
			JP 50102892 A	14-08-1975
			JP 57018682 B	17-04-1982
US 3964943	A	22-06-1976	NONE	
DE 1124166	B	22-02-1962	NONE	